

**OFFICE OF CONGRESSMAN EARL BLUMENAUER
APPROPRIATIONS REQUEST FORM
FISCAL YEAR 2011**

Project Details

1. Project title:

OUS/OHSU Life Science Collaboration Complex Complex: Oregon Translational Research and Drug Development Institute and Shared Resource Laboratories

2. Organization name and address (the recipient of the funds):

Oregon Translational Research
and Drug Development Institute
(OTRADI)
P.O. Box 489
Portland, OR 97201
ATTN: M. Patricia Beckmann, Ph.D.
President and Executive Director
Tel. (503) 227-1814

Oregon Health and Science University
(OHSU)
3181 SW Sam Jackson Park Rd
Portland, OR 97239
ATTN: Daniel Dorsa, Ph.D.
Vice President for Research
Tel. (503) 494-1085

Oregon University System (OUS)
P.O. Box 751
Portland, OR 97207
ATTN: Jay Kenton, Ph.D.
Vice-Chancellor for Finance
Tel. (541) 737-3646

Portland State University (PSU)
P.O. Box 751
Portland, OR 97207
ATTN: Lindsay Desroschers
Vice-President for Finance
Tel. (503) 725-5878

3. Contact information

a. Project's primary contact: Project's primary contact:

M. Patricia Beckmann, Ph.D.
Executive Director
Oregon Translational Research and Drug Development Institute
P.O. Box 489
Portland, OR 97201

b. Daytime telephone number/ mobile phone number:

(503) 227-1814 (o)/([REDACTED])

c. Email Address: pbeckmann@otradi.org

d. Project location (if different than organization's address): South Waterfront, Portland, OR

4. Please describe the requesting organization's main activities.

OTRADI serves as an important shared resource to Oregon's university scientists for the purposes of advancing their research toward effective drug screening and development a variety of therapeutic modalities. OTRADI's capabilities span many steps in the drug development process including: assay development, compound screening, dose-response and toxicology profiling, lead optimization, and preclinical models. OTRADI's shared assets for researchers and small businesses include: a state-of-the-art high throughput screening system, cutting-edge high content screening for cellular imaging and mechanism of action studies and compound libraries.

OTRADI works with OUS and member institutions, OHSU and the private sector to help start-up companies and academic researchers involved in biomedical applications/commercialization and job creation in Oregon.

5. Is this organization a public, private non-profit, or private for-profit entity?

OTRADI is a non-profit research and development institute funded by the Oregon Business Development Department and the Oregon Innovation Council. OUS, PSU and OHSU are public institutions.

6. From what federal agency and account are you requesting funds (Please be specific –e.g., Department of Housing and Urban Development, Economic Development Initiatives account)?

Health and Human Services: HRSA

7. Briefly describe the activity or project for which funding is requested (no more than 500 words).

Enhancing basic research with an eye toward improving healthcare outcomes while stimulating job and company creation in the bioscience sector requires access to great ideas for implementation in a collaborative and entrepreneurial environment close to medical school and university bioscience resources. The State of Oregon, through the Oregon Translational Research and Drug Development Institute (OTRADI), Oregon Health & Science University (OHSU), the Oregon University System (OUS), Portland State University (PSU), the City of Portland, the Portland Development Commission (PDC), the Oregon Bioscience Association (OBA) and private industry support enhancement of bioscience cluster development and establishment of shared collaborative research space for just this purpose.

The Oregon State Board of Higher Education and the Oregon Legislature approved capital construction bonds for a Life Sciences Collaborative Complex, to be located in the S. Waterfront district of Portland. The Life Science Collaboration Complex is sponsored by OUS (including Oregon State University, Portland State University and the University of Oregon) and OHSU to promote biomedical research and educational collaboration between bioscience-related departments in each of the universities. OHSU's medical school, pharmacy, physiology, translational research, technology transfer and other bioscience-related departments from each university (PSU, U of O, OSU and OHSU) will be housed in the Life Science Collaboration Complex. Teaching and research for these entities will be in the Life Science Collaboration Complex complex along with the Oregon Bioscience Entrepreneur Center (OBEC).

OTRADI is also an integral part of the Life Science Collaboration Complex and adjacent to the OBEC incubator facility. To leverage resources, OTRADI and OUS/OHSU plan space for collaborative program projects, including shared resource modules (lab benches, plumbing, shared major equipment, and office and communication facilities). Laboratory modules primarily consist of "wet" lab space - equipped with fume hoods, sinks, and gas lines. This type of space can be very expensive – estimated at \$650 sq. ft. to build and equip. Construction requirements include containment and disposal capabilities for radioactive and biological substances and high standards for ventilation, security, and floor loads.

The value of shared resources has become evident from economic development and collaborative research perspectives. OTRADI now has nearly 100 Affiliated Researchers at Oregon universities who use or anticipate use of our staff and facility. Further, OTRADI is listed as an important component of nearly \$30M in biomedical grants awarded to Oregon university researchers in 2008-2010. Examples of research grants include: Reversed Chloroquines as Antimalarial Agents, Gonadotropin-Releasing Hormone Action, Dev. Assay High Throughput Screen Parasitic Transporter, Bioengineered Protein C Activator Enzyme for Stroke, Early Detection of Ovarian Cancer. Our approach to bioscience economic development

in Oregon is to build OTRADI and the OUS/OHSU shared resource laboratory capabilities in the proposed Life Science Collaboration Complex as a method to share our capabilities in a cost-effective manner.

Finances for the OTRADI and shared common OUS/OHSU research facilities are not available due to a short-fall for the Life Science Collaboration Complex building and thus could be eliminated from the project. Thus, we seek federal funds to supplement state funding, private donations for the Life Science Collaboration Complex building for build-out of ~20,000 sq. ft. for OTRADI and collaborative laboratories.

8. What is the purpose of the project? Why is it a valuable use of taxpayer funds? How will the project support efforts to improve the economy and create jobs in Oregon?

Oregon has been working to find economically responsible ways to encourage collaborations between OUS member institutions and OHSU in the life science sector. One way has been for the state to establish and equip OTRADI as a unique laboratory resource (nearly \$8M state investment in OTRADI to date) for all institutions and biomedical companies to utilize. The planning of the Life Science Collaboration Complex anticipated OTRADI as a cornerstone for both research collaborations and economic development and expand biomedical opportunities to improve health outcomes. This is especially important as Oregon has been losing bioscience company start-ups to other states because of lack of infrastructure. OTRADI and the shared OUS/OHSU laboratory facility will be adjacent to the Oregon Bioscience Entrepreneur and Small Business Center (OBEC) in the Life Science Collaboration Complex to encourage shared resources for both academic researchers and start-up companies.

The funds will be spent on construction of the ~20,000 sq. ft of space for OTRADI and OUS/OHSU shared resource laboratories in the Life Science Collaboration Complex complex – adjacent to the Oregon Bioscience Entrepreneur and Small Business Center (OBEC). A project manager has just been hired for the Life Science Collaboration Complex building and architectural plans are underway. Timeline for construction is: Architectural planning – on-going, Groundbreaking – Spring 2011, Building completion – Summer 2013.

Approx. 1,500 – 1,800 construction jobs in 2010-2013, and estimate of initially ~30 bioscience jobs (management, Ph.D. scientists, technicians, etc.) in 2013 increasing by additional ~20 jobs each year thereafter for basic research and start-up companies. A bookstore, coffeehouse and restaurant will also be part of the Life Science Collaboration Complex complex and will employ ~100 individuals.

9. Has this project received federal appropriations funding in past fiscal years?

No

9a. If yes, please provide the fiscal year, Department, Account, and funding amount of any previous funding.

Funding Details

10. Amount requested for this project:

\$1.9M

11. Breakdown/budget of the amount you are requesting for this project (e.g., salary \$40,000; computer \$3,000):

All funds will be spent on construction and build-out of the OTRADI and OUS/OHSU shared resource laboratories in the Life Science Collaboration Complex.

12. What is the total cost of the project?

\$174M for Life Science Collaboration Complex, additional \$26M for the combined OTRADI, OUS/OHSU shared resource laboratories and the Oregon Bioscience Entrepreneur and Small Business Center.

13. Is this project scalable (i.e., If partial funding is awarded, will the organization still be able to use the funds in FY 2011?)?

Depending on availability, the funds would be scaled for use in the OTRADI and OUS/OHSU shared resource facilities. Smaller amounts might be used to offset other costs (i.e. water filtration systems, gas, vacuum or water lines, etc.) necessary for space build-out rather than major construction costs.

14. What other funding sources (local, regional, state) are contributing to this project or activity? (Please be specific about funding sources and funding amounts)

State Article XI –G Bonds \$50M, Article XI-F Bonds \$60M, \$70M Private Donations, \$20M TriMet for Rail Support as this center. The Life Science Collaboration Complex will be located on a new light rail/transit line and will include a transit station as part of the facility.

15. Please list public or private organizations that have supported/endorsed this project.

Mayor Sam Adams
City of Portland
(503) 823-4120

Mr. Gerald Baugh
Business Development Manager
Portland Development Commission
Phone: (503) 823-3309
E-mail: baughg@pdc.us

Mr. John Tortorici
Executive Director
Oregon Bioscience Association
Office: (503) 780-7055
E-mail: john@oregonbio.org

Mr. Tim McCabe
Director
Oregon Business Development
Department
Office: (503) 986-0106
E-mail: Tim.McCabe@state.or.us

Mr. George Pernsteiner
Chancellor
Oregon University System
Phone: (541) 346-5794
E-mail: George_Pernsteiner@ous.edu

Mr. Keith L. Thomson—Chairman
OHSU Board of Directors &
Chairman, OHSU Foundation Board of
Directors
Phone: (503) 645-2919
Fax: (503) 533-4763
Cell: (503) 789-1538
E-mail: Keith_Thomson@msn.com

Mr. Charles Wilhoite—Vice Chairman,
OHSU Board of Directors
Willamette Management Associates
Phone: (503) 243-7500
Fax: (503) 222-7392
Cell: (503) 781-3162
E-mail: cawilhoite@willamette.com